

VEGETABLE OIL BASED WAX COMPOSITIONS

ABSTRACT

Candles formed from vegetable oil-based wax are provided. The wax includes a triacylglycerol component and a fatty acid component, preferably about 50 to 65 wt. % of the triacylglycerol component and about 35 to 50 wt. % of the fatty acid component. The fatty acid component commonly includes at least about 90 wt. % palmitic acid, stearic acid or a mixture thereof. The triacylglycerol component may have a melting point of about 57°C to about 63°C and/or an Iodine Value of about 35 to about 45. Methods of producing the candles from the vegetable oil-based wax are also provided.